#### RAW SEQUENCE LISTING PATENT APPLICATION US/09/509,595

DATE: 03/14/2001 TIME: 20:43:31

INPUT SET: S36511.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS. Does Not Comply Corrected Diskette Needed FENERAL INFORMATION, SEQUENCE LISTING 3 General Information) (i) APPLICANT: 7 more up - all responses must be on same line as

(ii) APPLICANT: 7 more up - all responses must be on same line as

(ii) APPLICANT: 7 more up - all responses must be on same line as 7 Wissenschaften e.V. 8 (B) STREET: none 9 (C) CITY: Berlin 10 (D) STATE: none (E) COUNTRY: Germany (F) POSTAL CODE (ZIP): none 13 14 (A) NAME: National Public Health Institute med wy 15 (B) STREET: Mannerheimintie 166 16 (C) CITY: Helsinki 17 (D) STATE: none 18 (E) COUNTRY: Finland 19 --> (F) POSTAL CODE (ZIP): 00300 20 these mandatory headings ord responses for a U.S. (ii) TITLE OF INVENTION: Novel nucleic acid molecule encoding a 21 22 (poly) peptide co-segregating in mutated form with 23 Autoimmune Polyendocrinopathy Candidiasis Ectodermal 24 Dystrophy (APECED) 25 (v) CORRESPONDENCE ADDRESS: (A) ADDRESSEE: (B) STREET: (C) CITY: (D) STATE: (iii) NUMBER OF SEQUENCES: 32 26 27 28 (V) (iv) COMPUTER READABLE FORM: (E) COUNTRY: 29 (A) MEDIUM TYPE: Floppy disk 30 (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS 31 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 ((EPO) 32 33 (M) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION: mardetay headings for a U.S. case 34 FYI: Els format is invalid for U.S. ERRORED SEQUENCES FOLLOW: 807 (2) INFORMATION FOR SEQ ID NO: 14: 808 (i) SEQUENCE CHARACTERISTICS: 809 810 (A) LENGTH: 550 amino acids --> 811 (B) TYPE: amino acid supp. 4, then 2

## RAW SEQUENCE LISTING PATENT APPLICATION US/09/509,595

DATE: 03/14/2001 TIME: 20:43:31

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830 831 832	Leu	Lys 50	Glu	Lys	Glu	Gly	Cys 55	Pro	Glr	n Ala	a Phe	€ Hi:	s Ala	a Lei	ı Leı	ı Ser				
833 834 835	Trp 65	Leu	Leu	Thr	Xaa	Asp 70	Ser	Xaa	Ala	ı Ile	2 Leu 75	ı Ası	Phe	e Trp	Arg	y Xaa 80				
836 837 838	Leu	Phe	Lys	Asp	Tyr 85	Asn	Leu	Glu	Arg	Туг 90	Xaa	Arg	J Lei	ı Xaa	Xaa 95	Ile				
839 840 841	Leu	Asp	Xaa	Phe 100	Pro	Lys	Asp	Val	Asp	Leu	Xaa	Glr	ı Xa <i>a</i>	Arg		Gly				
842 843 844	Arg	Lys	Pro 115	Xaa	Ala	Xaa	Pro	Lys 120	Ala	Xaa	Val	Xaa	Pro 125		Arg	Xaa				
845 846 847	Pro	Thr 130	Lys	Arg	Lys	Ala	Xaa 135	Glu	Glu	Xaa	Arg	Ala 140		Xaa	Pro	Ala				
848 849 850	Xaa 145	Leu	Xaa	Xaa	Xaa	Xaa 150	Xaa	Xaa	Ser	Pro	Gly 155	Ser	Xaa	Leu	Lys	Xaa 160				
851 852 853	Lys	Pro	Pro	Lys	Lys 165	Pro	Xaa	Xaa	Xaa	Xaa 170		Xaa	Gln	Xaa	Leu 175	Pro				
854 855 856	Leu	Gly	Asn	Gly 180	Ile	Gln	Thr	Met	Xaa 185	Ala	Ser	Val	Gln	Arg 190	Ala	Val				
857 858 859	Xaa	Xaa	Xaa 195	Ser	Gly	Asp	Val	Pro 200	Gly	Xaa	Arg	Gly	Ala 205	Val	Glu	Gly				
860 861 862	Ile	Leu 210	Ile	Gln (	Gln	Val	Phe 215	Glu	Ser	Gly	Xaa	Ser 220	Lys	Lys	Cys	Ile				
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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/509,595

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904	Ala	Arg	Cys	Xaa	Val	Cys	Gly	Asp	Gly	' Th	r X	aa v	Val	Leu	Ara	Cve	Y:	
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	918	Xaa	Pro	Xaa	Leu	His	Arg	Asp	Asp	Leu	Glu	Ser	Leu	Leu	Xaa	Glu	His	
	919			515					520					525				
	920				-													
	921	Xaa	Phe	Asp	Gly	Ile	Leu	Gln	Trp	Ala	Ile	Gln	Ser	Met	Xaa	Arq	Pro	
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(see p. 2)

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### SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/509,595

DATE: 03/14/2001 TIME: 20:43:32

#### INPUT SET: S36511.raw

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: Max-Planck-Gesellschaft zur F'rderung der
8	Unknown or Misplaced Identifier	(B) STREET: none
9	Unknown or Misplaced Identifier	(C) CITY: Berlin
10	Unknown or Misplaced Identifier	(D) STATE: none
11	Unknown or Misplaced Identifier	(E) COUNTRY: Germany
12	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): none
14	Unknown or Misplaced Identifier	(A) NAME: National Public Health Institute
15	Unknown or Misplaced Identifier	(B) STREET: Mannerheimintie 166
16	Unknown or Misplaced Identifier	(C) CITY: Helsinki
17	Unknown or Misplaced Identifier	(D) STATE: none
18	Unknown or Misplaced Identifier	(E) COUNTRY: Finland
19	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): 00300
810	Entered (550) and Calc. Seq. Length (551) differ	(A) LENGTH: 550 amino acids
927	Wrong Amino Acid Designator	Xaa denotes any amino acid
927	Wrong Amino Acid Designator	Xaa denotes any amino acid
927	Wrong Amino Acid Designator	Xaa denotes any amino acid
927	Wrong Amino Acid Designator	Xaa denotes any amino acid

### SEQUENCE MISSING ITEM REPORT PATENT APPLICATION US/09/509,595

DATE: 03/14/2001 TIME: 20:43:32

INPUT SET: S36511.raw

ADDRESSEE
STREET
CITY
STATE
COUNTRY
ZIP
CORRESPONDENCE ADDRESS
APPLICATION NUMBER
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CLASSIFICATION
CURRENT APPLICATION DATA
APPLICATION NUMBER
FILING DATE
PRIOR APPLICATION DATA